

Release notes for ENDF/B Development std-005_B_010
evaluation

ENDF
B-VII.dev

November 1, 2016

- checkr Warnings:

1. The standards sublibrary uses NSUB=19, but this was never officially adopted by CSEWG for the ENDF format.
MAT= 525, MF= 1, MT=451 (0): Stds. NSUB

```
ERROR(S) FOUND IN MAT= 525, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19          RECORD NUMBER 4
```

2. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT= 525, MF= 3, MT=451 (0): Incompleteness

```
ERROR(S) FOUND IN MAT= 525, MF= 3, MT=451
LRP = 0 Requires the presence of File 2, but it is missing.
```

- fizcon Warnings:

1. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT= 525, MF= 3, MT=107 (1): Incompleteness

```
ERROR(S) FOUND IN MAT= 525, MF= 3, MT=107
THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)
SHOULD BE 1.00000E-05(EV) FOR Q= 2.79000E+06(EV)
```

2. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT= 525, MF= 3, MT=800 (1): Incompleteness

```
ERROR(S) FOUND IN MAT= 525, MF= 3, MT=800
THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)
SHOULD BE 1.00000E-05(EV) FOR Q= 2.79000E+06(EV)
```

3. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT= 525, MF= 3, MT=801 (1): Incompleteness

```
ERROR(S) FOUND IN MAT= 525, MF= 3, MT=801
THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)
SHOULD BE 1.00000E-05(EV) FOR Q= 2.31239E+06(EV)
```

4. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT 525 MF 6 (1): Incompleteness

```
ERROR(S) - MISSING SECTIONS IN MAT 525 MF 6
PRESENCE OF FILE 3, MT= 107 REQUIRES AN EQUIVALENT SECTION IN FILE 6
```

5. The standards sublibrary is not meant for transport calculations and is not required to be complete.
MAT 525 MF 6 (2): Incompleteness

ERROR(S) - MISSING SECTIONS IN MAT 525 MF 6
 PRESENCE OF FILE 3, MT= 800 REQUIRES AN EQUIVALENT SECTION IN FILE 6
 PRESENCE OF FILE 3, MT= 801 REQUIRES AN EQUIVALENT SECTION IN FILE 6

• fudge-4.0 Warnings:

1. Indicates a test was skipped due to missing information
reactionSuite: (Error # 0): Test skipped

WARNING: Skipped test Wick's limit: "Channel 'n + B10' could not be found!"

2. The standards sublibrary is not meant for transport calculations and is not required to be complete.
reaction label 0: He4 + Li7 / Cross section: (Error # 0): Incompleteness

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 0.0253 eV!

3. The standards sublibrary is not meant for transport calculations and is not required to be complete.
reaction label 0: He4 + Li7 / Cross section: (Error # 1): Incompleteness

WARNING: Gap in cross section data from 1.e6 eV to 20. MeV

4. The standards sublibrary is not meant for transport calculations and is not required to be complete.
reaction label 1: He4 + Li7_e1 / Cross section: (Error # 0): Incompleteness

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 0.0253 eV!

5. The standards sublibrary is not meant for transport calculations and is not required to be complete.
reaction label 1: He4 + Li7_e1 / Cross section: (Error # 1): Incompleteness

WARNING: Gap in cross section data from 1.e6 eV to 20. MeV

6. The standards sublibrary is not meant for transport calculations and is not required to be complete.
crossSectionSum label 0: (z,alpha) (Error # 0): Incompleteness

WARNING: Gap in cross section data from 1.e6 eV to 20. MeV